

1. A radio frequency identification device comprising:

Sub. 91
a substrate;

communication circuitry coupled with the substrate and configured to receive a wireless signal including an identifier, to process the identifier of the wireless signal and to output a control signal responsive to the processing of the identifier; and

indication circuitry coupled with the communication circuitry and configured to receive the control signal and to indicate presence at the radio frequency identification device responsive to the control signal.

2. The device according to claim 1 wherein the indication circuitry includes a light emitting device configured to emit a human visible signal to indicate the presence.

3. The device according to claim 1 wherein the wireless signal includes data and the communication circuitry is configured to output the control signal comprising the data.

4. The device according to claim 1 wherein the communication circuitry is configured to output a wireless signal.

5. A remote communication device comprising:

Cont.
a housing;

communication circuitry supported by the housing and including a data port, the communication circuitry being configured to receive a wireless signal including an identifier

and data, to process the identifier, and to write the data to the data port responsive to the processing of the identifier; and

indication circuitry coupled with the data port and configured to receive the data and to indicate presence of the remote communication device responsive to the data.

6. The device according to claim 5 wherein the indication circuitry is configured to emit a human perceptible signal to indicate the presence.

7. The device according to claim 5 wherein the indication circuitry includes a light emitting device configured to emit a human visible signal to indicate the presence.

8. The device according to claim 5 wherein the communication circuitry is configured to output a wireless signal.

9. The device according to claim 5 wherein the wireless signal includes a command and the communication circuitry writes the data to the data port responsive to the command.

10. The device according to claim 5 wherein the communication circuitry comprises radio frequency identification device circuitry.

11. A remote communication device comprising:

a housing;

communication circuitry supported by the housing and including a data port, the communication circuitry being configured to receive a wireless signal including an identifier and data, to process the identifier, and to write the data to the data port responsive to the processing of the identifier; and

indication circuitry including:

a latch coupled with the data port and configured to receive the data; and

an indicator coupled with the latch and configured to output a signal to indicate presence of the remote communication device responsive to the data received within the latch.

12. The device according to claim 11 wherein the indicator is configured to emit a human perceptible signal to indicate the presence.

13. The device according to claim 11 wherein the indicator includes a light emitting device configured to emit a human visible signal to indicate the presence.

14. The device according to claim 11 wherein the wireless signal includes a command and the communication circuitry writes the data to the data port responsive to the command.

15. The device according to claim 11 wherein the communication circuitry comprises radio frequency identification device circuitry.

16. A radio frequency identification device comprising:

an integrated circuit including communication circuitry configured to receive a wireless signal including an identifier, to process the identifier of the wireless signal and to output a control signal responsive to the processing of the identifier; and

indication circuitry coupled with the communication circuitry and configured to receive the control signal and to output a human perceptible signal to indicate presence of the radio frequency identification device responsive to the control signal.

CI
cont.
17. The device according to claim 16 wherein the indication circuitry includes a light emitting device configured to emit a human visible signal to indicate the presence.

18. The device according to claim 16 wherein the wireless signal includes data and the communication circuitry is configured to output the control signal comprising the data.

19. The device according to claim 16 wherein the communication circuitry is configured to output a wireless signal.

20. The device according to claim 16 further comprising a battery coupled with the communication circuitry and the indication circuitry.

21. An identification system comprising:

an interrogator configured to output a wireless signal to identify at least one of a plurality of radio frequency identification devices;

plural radio frequency identification devices individually configured to receive the wireless signal and to selectively emit a human perceptible signal to indicate presence; and

wherein only the at least one radio frequency identification device identified by the wireless signal is configured to output the human perceptible signal responsive to receiving the wireless signal.

22. The system according to claim 21 wherein the radio frequency identification devices individually include a light emitting device configured to emit a human visible signal to indicate presence.

23. The system according to claim 21 wherein the wireless signal includes an identifier and the at least one radio frequency identification device is configured to indicate presence responsive to the identifier.

24. The system according to claim 21 wherein the radio frequency identification devices are individually configured to output wireless signals.

25. An identification system comprising:
an interrogator configured to output a wireless signal including an identifier and data;
and
a plurality of remote communication devices configured to communicate with the interrogator and individually including:
communication circuitry including a data port and the communication circuitry being configured to receive the wireless signal, to process the identifier, and to selectively write the data to the data port responsive to the processing of the identifier; and
indication circuitry coupled with the communication circuitry and configured to receive the data and to indicate presence of the respective remote communication device responsive to the data.

Cl
cont.
26. The system according to claim 25 wherein the indication circuitry is configured to emit a human perceptible signal to indicate the presence.

27. The system according to claim 25 wherein the indication circuitry includes a light emitting device configured to emit a human visible signal to indicate the presence.

28. The system according to claim 25 wherein the wireless signal includes a command and the communication circuitry writes the data to the data port responsive to the command.

29. The system according to claim 25 wherein the communication circuitry comprises radio frequency identification device circuitry.

30. An identification system comprising:

an interrogator configured to output plural forward link radio frequency signals individually including a command, data, and an identifier to identify at least one of a plurality of radio frequency identification devices;

a plurality of radio frequency identification devices configured to communicate with the interrogator and individually including:

a substrate;

CI
cont.
communication circuitry coupled with the substrate and including a data port, the communication circuitry being configured to receive the wireless signal, to process the identifier, to selectively process the command responsive to the processing of the identifier, and to selectively write the data to the data port responsive to the processing of the command;

indication circuitry coupled with the data port and configured to receive the data and to output a human visible signal to indicate presence of the radio frequency identification device responsive to the data; and

a battery coupled with the substrate and configured to supply power to the communication circuitry and the indication circuitry; and

wherein only the at least one radio frequency identification device which is identified by the identifier of the wireless signal emits the human visible signal to indicate presence.

31. : A communication method comprising:
providing a radio frequency identification device;
receiving a wireless signal including an identifier within the radio frequency identification device;
processing the identifier;
generating a control signal after the processing; and
indicating presence of the radio frequency identification device using indication circuitry of the radio frequency identification device responsive to the control signal.

32. The method according to claim 31 further comprising outputting the wireless signal using an interrogator.

33. The method according to claim 31 wherein the indicating includes emitting a human perceptible signal.

34. The method according to claim 31 wherein the indicating includes emitting a human visible signal.

35. The method according to claim 31 wherein the wireless signal includes data and the control signal comprises the data.

36. A communication method comprising:
providing a remote communication device;
receiving a wireless signal including an identifier and data within the remote communication device;
processing the identifier;
selectively outputting the data to indication circuitry of the remote communication device after the processing; and
emitting a human perceptible signal using the indication circuitry after the outputting the data.

CI
Cont.
37. The method according to claim 36 wherein the emitting includes emitting a human visible signal.

38. The method according to claim 36 further comprising processing a command and the emitting is responsive to the processing the command.

39. The method according to claim 36 wherein the providing includes providing a radio frequency identification device.

40. (Twice Amended) An identification method comprising:
providing a plurality of remote communication devices comprising radio frequency identification devices individually including indication circuitry;
associating the remote communication devices with respective plural objects;
outputting a wireless signal to identify at least one object;
receiving the wireless signal within the remote communication devices; and
indicating presence of the at least one selected object using the indication circuitry of the remote communication device associated with the at least one selected object; and
outputting another wireless signal responsive to the receiving using the remote communication device associated with the at least one selected object.

41. The method according to claim 40 wherein the indicating includes emitting a human perceptible signal.

42. The method according to claim 40 wherein the indicating includes emitting a human visible signal.

43. The method according to claim 40 wherein the wireless signal includes an identifier and the indicating is responsive to the identifier.

44. The method according to claim 40 further comprising processing the wireless signal and the indicating is responsive to the processing.

45. Cancel.

5MB. 21
46. An identification method comprising:
providing a plurality of radio frequency identification devices individually including indication circuitry;

outputting a wireless signal to identify at least one of the radio frequency identification devices;

receiving the wireless signal within the radio frequency identification devices;

emitting a human perceptible signal after the receiving using the indication circuitry of the at least one identified radio frequency identification device.

CI
cont.
47. The method according to claim 46 wherein the emitting includes emitting a human visible signal.

48. The method according to claim 46 wherein the wireless signal includes data and the emitting is responsive to the data.

49. The method according to claim 46 wherein the outputting the wireless signal includes outputting an identifier.

50. The method according to claim 46 further comprising processing the wireless signal and the emitting is responsive to the processing.

51. The device according to claim 1 wherein the communication circuitry is configured to output the control signal comprising digital information.

52. The device according to claim 1 wherein the communication circuitry is configured to extract digital data from the wireless signal and to output the control signal comprising the extracted digital data.

53. The device according to claim 1 further comprising an antenna coupled with the communication circuitry and the control signal is configured to alter the impedance of the antenna to backscatter modulate a continuous wave signal received at the antenna.

CI
Cont.
54. The device according to claim 1 wherein the communication circuitry is configured to output a wireless signal.

55. The device according to claim 1 wherein the communication circuitry is configured to output a wireless signal having data therein according to the control signal.

56. The device according to claim 1 wherein the communication circuitry comprises a processor configured to execute executable instructions to process the identifier.

57. The device according to claim 1 wherein the communication circuitry is configured to process the identifier comprising digital information.

58. The method according to claim 40 wherein the outputting comprises outputting the wireless signal including data, and further comprising extracting the data and the indicating being responsive to the extracted data.

59. The method according to claim 40 wherein the outputting comprises outputting the wireless signal including digital data, and further comprising extracting the data and the indicating being responsive to the extracted digital data.

60. The method according to claim 40 wherein the outputting the another wireless signal comprises backscatter modulating a continuous wave signal.

61. The method according to claim 40 further comprising processing the wireless signal comprising executing a plurality of executable instructions, and wherein the indicating is responsive to the processing.

62. (New) The device according to claim 1 wherein the communication circuitry comprises radio frequency identification device communication circuitry.

63. (New) The device according to claim 16 wherein the communication circuitry comprises radio frequency identification device communication circuitry.

64. (New) An identification method comprising:
providing a plurality of remote communication devices individually including indication circuitry;

associating the remote communication devices with respective plural objects;

outputting a wireless signal to identify at least one object and including data;

receiving the wireless signal within the remote communication devices;

extracting the data; and

indicating presence of the at least one selected object using the indication circuitry of the remote communication device associated with the at least one selected object responsive to the extracting; and

outputting another wireless signal responsive to the receiving using the remote communication device associated with the at least one selected object.

65. (New) The method according to claim 64 wherein the outputting the outputting the wireless signal comprises outputting the wireless signal including digital data.